



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111300

Mode: Highway

Status: Submitted

US-1

From/Cross Street: Old US 1

Specific Improvement Type: 11 - Access Management

To: Roseland Rd

Project Category: Statewide Mobility

Length: 2.77

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$19,133,000

Description:

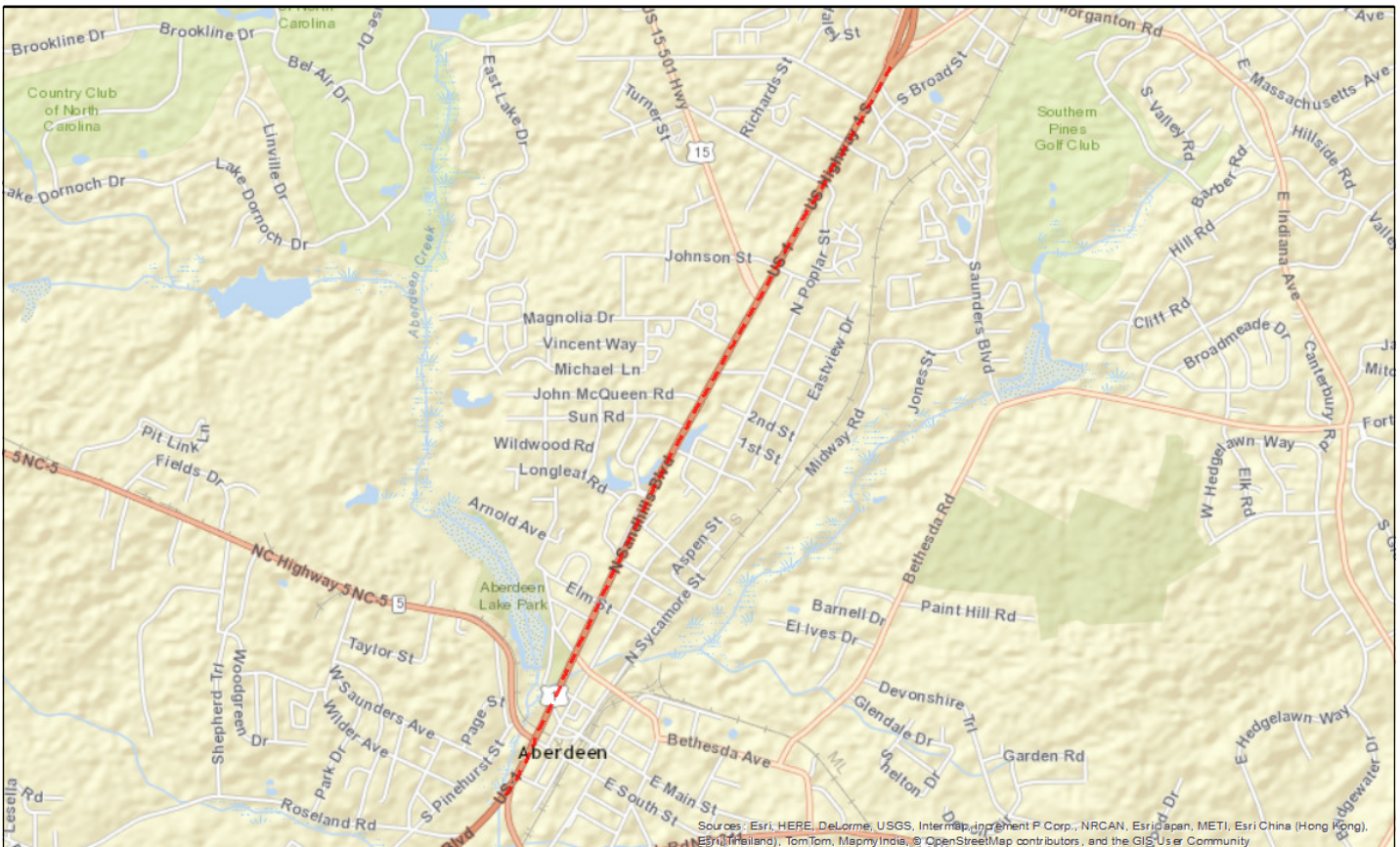
Implement Access Management/Operational Improvements.

Division(s): Division 8

County(s): MOORE

MPOS(s)/RPO(s): Triangle Area RPO

Project Location



Statewide Mobility Total Score: 37.76

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%)	81.54	N/A	N/A
Safety (10%)	76.86		
Economic Competitiveness (10%)	14.92		
Multimodal + [Freight & Military] (20%)	12.01		
[Travel Time] Benefit/Cost (30%)	5.72		
Totals: Weight: 100% Weighted Score: 37.76			

Regional Impact Total Score: 60.89

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%)	13.85	Percent: 15% Points: 100	Percent: 15% Points: 100
[Travel Time] Benefit/Cost (25%)	5.72		
Congestion (V/C) (25%)	81.54		
Safety (10%)	76.86		
Totals: Weight: 70% Weighted Score: 30.89			

Division Needs Total Score: 25.14

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%)	81.54	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%)	76.86		
[Travel Time] Benefit/Cost (20%)	5.72		
Totals: Weight: 50% Weighted Score: 25.14			

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.77
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	35564.4
Capacity:	31700
Volume/Capacity Ratio:	1.12
% Autos:	93%
% Trucks:	7%
Truck Volume:	2401.47
Crash Density:	75.79
Crash Severity:	79.04
Critical Crash Rate:	75.78
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	73
Actual Congested Speed:	35.07
Travel Time Index:	1.24

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	2.77
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4840525.38
Travel Time Savings for 30 Years (Autos):	4513671.27
Travel Time Savings for 30 Years (Trucks):	326854.11
Long-Term Employment:	85
% Change in Economy:	0.00021341
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 8

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 8	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Triangle Area RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$10,716,000	TIP Unit
Right-of-Way Cost:	\$7,515,000	Cost Estimation Tool
Utilities Cost:	\$902,000	Cost Estimation Tool
Total Project Cost:	\$19,133,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$19,133,000	